

The Knowledge Bank at The Ohio State University
Ohio State Engineer

Title: Front Matter

Issue Date: Apr-1928

Publisher: Ohio State University, College of Engineering

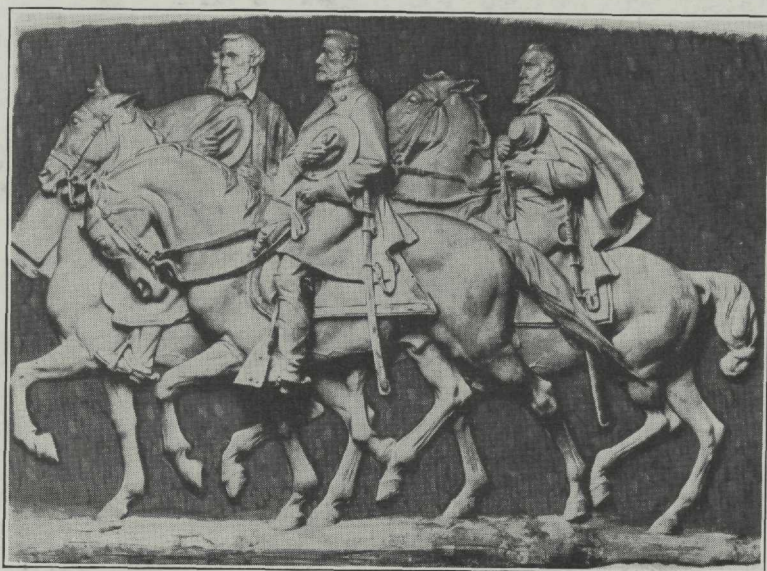
Citation: Ohio State Engineer, vol. 11, no. 6 (April, 1928), 1-4.

URI: <http://hdl.handle.net/1811/34280>

Appears in Collections: [Ohio State Engineer: Volume 11, no. 6 \(April, 1928\)](#)

OHIO STATE UNIVERSITY,
BROWN HALL LIBRARY.

THE OHIO STATE ENGINEER



MEMBER OF
ENGINEERING COLLEGE MAGAZINES
ASSOCIATED

TA
1
036
v. 11, no. 6
Apr. 1928
copy 3 Spring
Number

A P R I L
1 9 2 8
v. 11 #6

Power Plants of

Many American Educational Institutions

are splendid examples of modern steam generating stations and are worthy subjects of study for engineers who are seeking the best practice in power plant design and operation.

Invariably these plants are well adapted to their load and fuel conditions and evidence wise selection in the combination of equipment installed. In many cases they are used for instruction and practical experience by students in engineering courses.

There is nothing more highly significant of the merit of Combustion Engineering Fuel Burning and Steam Generating equipment than the extent to which it is used in leading educational institutions.

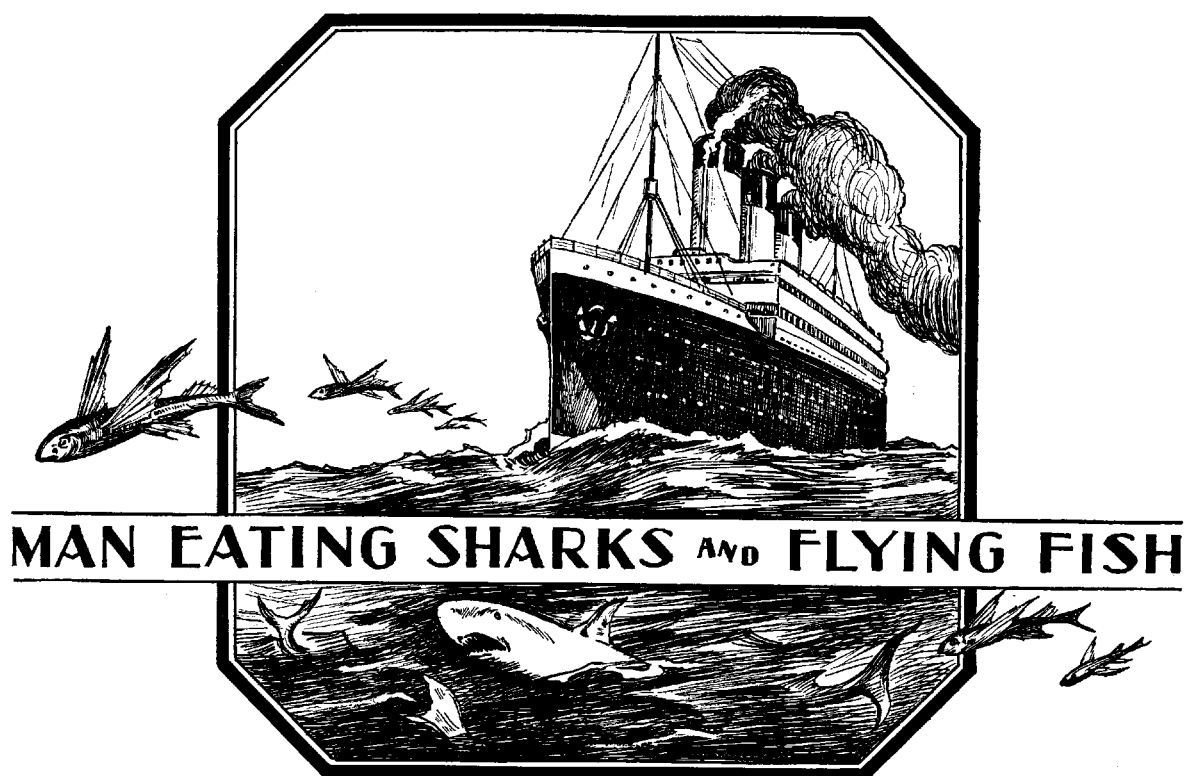
COMBUSTION ENGINEERING CORPORATION

International Combustion Building
200 Madison Avenue . . . New York

Below are a few well-known educational institutions in which Combustion Engineering equipment is installed:

University of Alabama
University of Colorado
University of Illinois
University of Minnesota
University of Montana
University of Nebraska
University of North Carolina
University of Virginia
University of West Virginia
University of Wyoming
Ohio State University
Iowa State College
Carnegie Institute of Technology
Cornell University
Columbia University
Northwestern University
West Point
Amherst College
Converse College
Vanderbilt University
Washington University





On your first trip abroad, you are doubtless prepared to see lots of interesting things—icebergs, perhaps—exclusive French restaurants serving corned beef and cabbage—cultured Englishmen who do not wear monocles, or say “Old Bean”. Probably you would not even register surprise if you found high speed Otis elevators apparently as much at home on the Leviathan and other transatlantic liners, as in the finest buildings in all parts of the world.

OTIS ELEVATOR COMPANY

Offices in All Principal Cities of the World



Up! Up! Up!

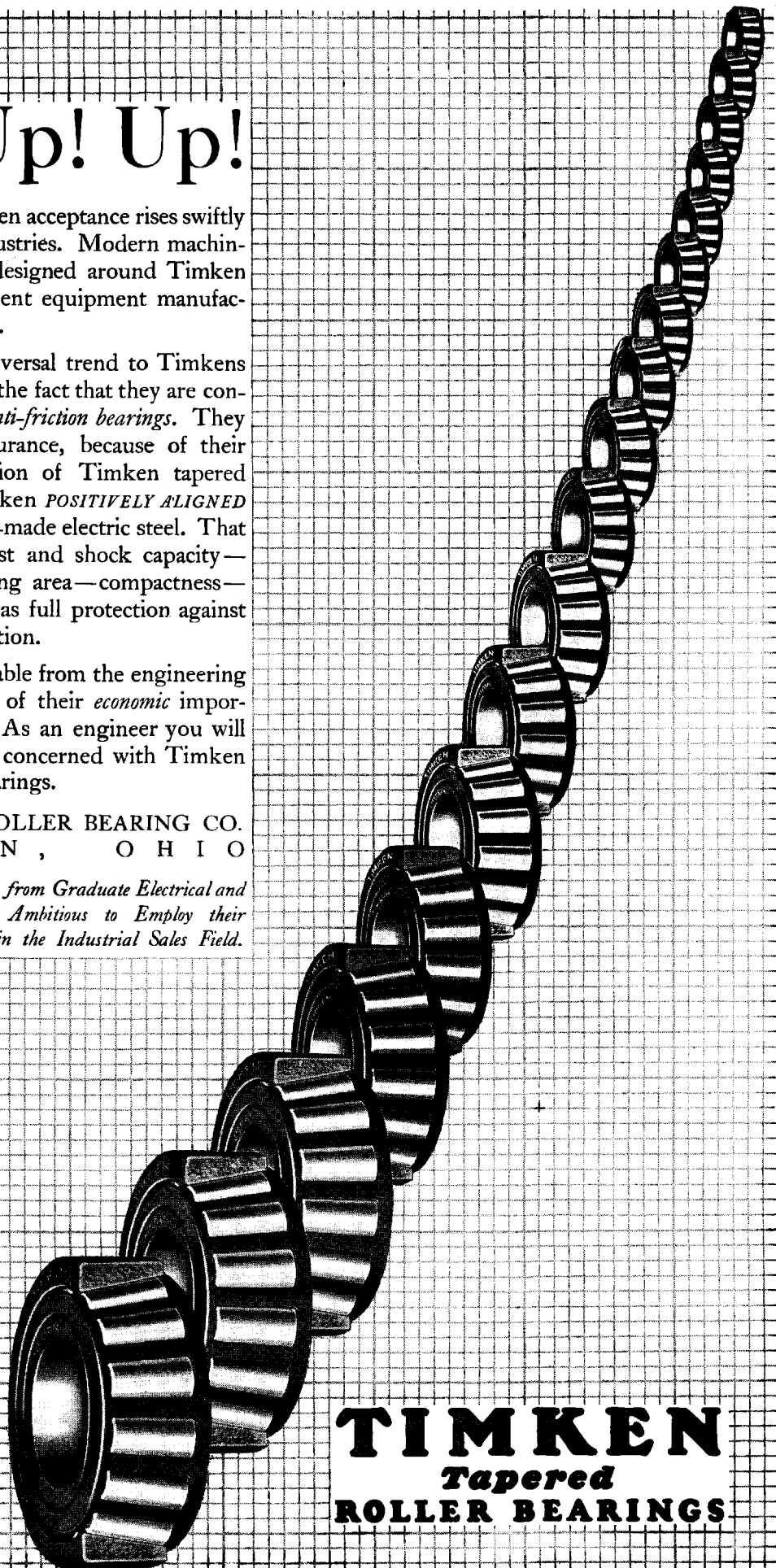
The curve of Timken acceptance rises swiftly throughout the industries. Modern machinery of all types is designed around Timken Bearings by prominent equipment manufacturers in every field.

The strong and universal trend to Timkens is accounted for by the fact that they are considered *more than anti-friction bearings*. They assure greater endurance, because of their exclusive combination of Timken tapered construction, Timken *POSITIVELY ALIGNED ROLLS*, and Timken-made electric steel. That means utmost thrust and shock capacity—greater load carrying area—compactness—simplicity—as well as full protection against radial loads and friction.

Timkens are inevitable from the engineering standpoint because of their *economic* importance to Industry. As an engineer you will be more and more concerned with Timken Tapered Roller Bearings.

THE TIMKEN ROLLER BEARING CO.
CANTON, OHIO

Applications are Invited from Graduate Electrical and Mechanical Engineers Ambitious to Employ their Professional Training in the Industrial Sales Field.



TIMKEN
Tapered
ROLLER BEARINGS

OHIO STATE ENGINEER

Published in October, November, January, February, March, April, May
by the students in the College of Engineering, Ohio State University

Vol. XI

APRIL, 1928

No. 6

CONTENTS

	Page
THE STONE MOUNTAIN MEMORIAL.....	5
ROLLING SHEET METAL.....	6
EARLY ELECTRICAL EXPERIENCES.....	9
AN ALUMINUM HYDRATE PLANT, PART II.....	10
RAZING THE STACK.....	11
EDITORIAL.....	13
SILHOUETTES.....	14
CAMPUS NOTES.....	16
BOOKSHELF.....	19
ALUMNI NEWS.....	22

Subscription price, \$1.50 per year, 25c per copy. Checks, money orders, etc., payable to the Ohio State Engineer.

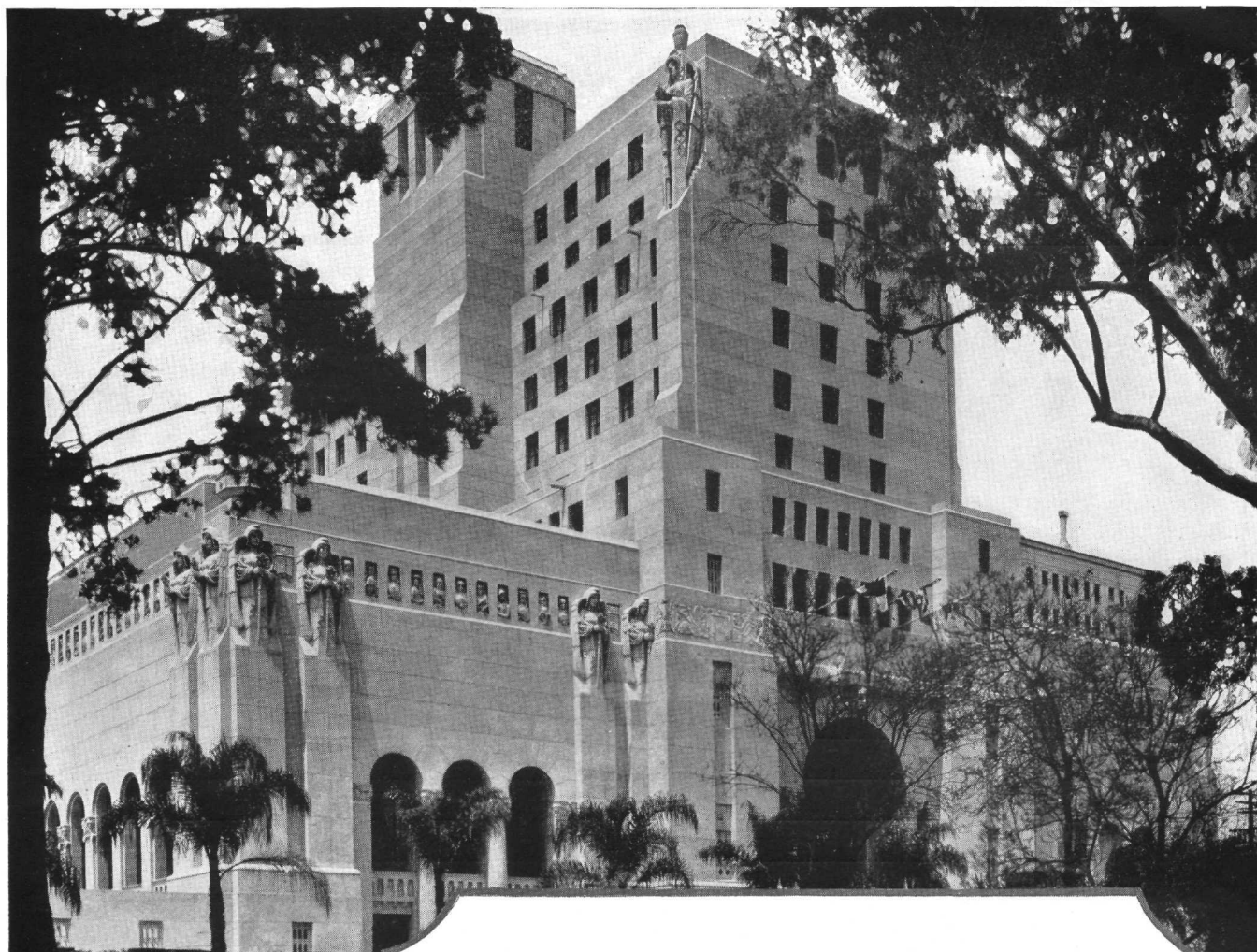
Entered as second-class matter May 15, 1922, at the post office at Columbus, Ohio, under the act of March 3, 1879. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized December 8, 1922.

MEMBERS OF THE ENGINEERING COLLEGE MAGAZINES ASSOCIATED

Chairman: Prof. Leslie F. Van Hagan, College of Engineering, Madison Wisconsin

The Transit
Iowa Engineer
Colorado Engineer
Nebraska Blue Print
Sibley Journal of Engineering
Rose Technic
Michigan Technic
The Ohio State Engineer
Penn State Engineer
Minnesota Techno-Log

University of Virginia Journal
of Engineering
Wisconsin Engineer
Tech Engineering News
Cornell Civil Engineer
Kansas State Engineer
Princeton E. A. News Letter
The Technograph
Pennsylvania Triangle
Kansas Engineer



Re-mixed Concrete Endures

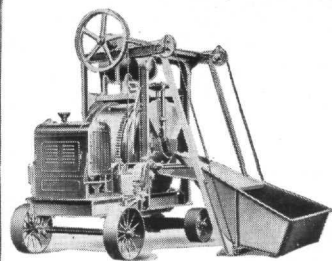
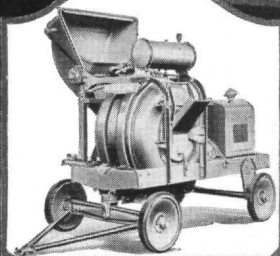
WHEN building for the future, an invaluable quality is sought —endurance. In endeavoring to capture it, every material is carefully selected to withstand the ravages of the elements and of time.

Just a glance at the new Elks Club building in Los Angeles, pictured above, gives evidence that the architect, engineer and contractor were striving for permanence as well as beauty. With these ideals the quality of the concrete did not escape their attention. Two Koehring mixers, a Heavy Duty 21-S Mixer and a Dandie 7-S Mixer, were used to mix the concrete for the foundation walls of this modern structure. Through the Koehring re-mixing action it was assured that every foot of concrete would be uniform and of dominant strength. Koehring re-mixed concrete endures.

The revised edition of "Concrete — Its Manufacture and Use," a complete treatise and handbook on present methods of preparing and handling portland cement concrete, is now ready for distribution. To engineering students, faculty members and others interested we shall gladly send a copy on request.

KOEHRING COMPANY
MILWAUKEE, WISCONSIN

Manufacturers of
Pavers, Mixers — Gasoline Shovels, Cranes and Draglines.



KOEHRING